

STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

INJECTION WELL PERMIT APPLICATION

(TO DRILL, DEEPEN, PLUG BACK, OR CONVERT AN EXISTING WELL)

	NOTE >		r drilling only, not in ial notification given.	njection. Approval	or denial for injection	on determined afte	r Mechanical Ir	ntegrity Test results
		CATION TO DRILL	_ DEEPE	N PLUG	G BACK	FOR AN OIL W	1000	OR GAS WELL
		PANY OR OPERATOR	& Development, L	LC			07/29/2012	
	ADDRESS	ouree Enpresentation	or Dorrotopinoni, D		CITY		STATE	ZIP CODE
		th Street, Suite 50			Overland Park		KS	66210
	DESCRIPT NAME OF LEAS	ION OF WELL A	ND LEASE		WELL NUMBER		ELEVATION (G	ROUND
	Belton Unit	-			RW-86		1056'	
	WELL LOCATIO		,		FROM SECTION LINE	S)		
		5129	ft. from North	Z South section line		m Z East Wes	t section line	
^ \	Sec. 16		h Range 33		LATITUDE /	W94 34' 41.090"	Cass	
20			OSED LOCATION TO P	Last VVCSt			Cass	-SECIAL
20			ATION TO NEAREST D				ME LEASE 12	SPECIAL FEETPROJECT
below 200	PROPOSED	ROTARY OR CAL	BLE TOOLS DRILLING	CONTRACTOR, NAME A	ND ADDRESS		APPR	ROX. DATE WORK WILL START
3	650 feet 40		Utah Oi	I, LLC			08/20	0/2012
10	NUMBER OF AC	NUM	BER OF WELLS ON LE	ASE INCLUDING THIS	WELL, COMPLETE	D IN OR DRILLING T	O THIS RESERV	VOIR 124
all	560	NUM	BER OF ABANDONED	WELLS ON LEASE 0				
(5)	And the second second second		OR MORE WELLS DRIL	LED, FROM WHOM F	URCHASED?	NO. C	F WELLS	PRODUCING 71 44
AZ	NAME DE E							INJECTION 44
-	ADDRESS 4	595 Highway K33	Wellsville, KS 660	92			A	ABANDONED 0
	STAT	US OF BOND	☐ SINGLE WEL	-L	☑ BLANK		1000	ON FILE
			AMOUNT \$ _	CK BRIEFLY DESCRIBE	WORK TO BE DONE G	NT \$ 160,000 /		ATTACHED I ZONE AND EXPECTED NEW
		E, USE BACK OF FORM		on, onler er bedombe	Troint to be bone, o	, morning management	0011011102011011	
		PROPOSED	CASING PROGRAM		APPROVE	D CASING - TO BE	FILLED IN BY S	TATE GEOLOGIST
	AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM.
	20'	7"	14	8 sks	20	23/8"	14	Kill James
	650'	2 7/8"	6.5	100 sks	650	6,8	6.5	Tot lengt
	I the Under	roigned state that	I am the COO of	the KREd /Com	nany) and that I	am authorized b	v said compa	any to make this
			s prepared under n					
	complete to	the best of my kn	owledge.					
	SIGNATURE						DATE	1
	7	The second second					10/1	10/12
	PERMIT NUMBE	7 000		M DRILLER'S LOG	REQUIRED	₩ E-LOG	S REQUIRED IF	RUN
	APPROVED DAT	20995			S REQUIRED IF RUI			INFO REQUIRED IF RUN
	AFFROVED DAT	12-20-	12	☐ SAMPLES REQ	UIRED			
	APPROVED B	1 1	1	SAMPLES NOT				
	10.	ryon V.	_ Colons	WATER SAMPL	ES REQUIRED AT _			
	wat- 1							N. APPROVAL OF
	NOTE ▶		Y THE OIL AND GA PROPOSED WEI					
	MO 780-0212 (6		MIT TWO (2) COPIES TO: G					LEMMITTEE

ONE	(1)	COPY	Y WILL	PE	DET	IDNIES

Leech of the Utah (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATUR PROPOSED OPERATIONS PROPOSED AVERAGE DAILY INJECTION. PRESSURE 300 PSIG. RATE .035 VOLUME 50 APPROVED AVERAGE DAILY INJECTION, BBL (TO BE FILLED IN BY STATE GEOLOGIST) PRESSURE 300 PSIG, RATE BPD/GPM. VOLUME 5 BBL/GAL PROPOSED MAXIMUM DAILY INJECTION, PRESSURE 300 PSIG. RATE BBLIGAL APPROVED MAXIMUM DAILY INJECTION, (TO BE FILLED IN BY STATE GEOLOGIST) PRESSURE 300 PSIG, RATE -055 BPD/GPM, VOLUME 5 ESTIMATED FRACTURE PRESSURE GRADIENT OF INJECTION ZONE 0.43 PSI/FOOT **BBL/GAL**

DESCRIBE THE SOURCE OF THE INJECTION FLUID Squirrel sandstone produced water and rural water

NOTE > SUBMIT AN APPROPRIATE ANALYSIS OF THE INJECTION FLUID. (SUBMIT ON SEPARATE SHEET)

DESCRIBE THE COMPATIBILITY OF THE PROPOSED INJECTION FLUID WITH THAT OF THE RECEIVING FORMATIONS, INCLUDIUNG TOTAL DISSOLVED

We have been using these injection fluids since the waterflood began with no issues. The formations respond to injection fluids. The injection fluids consist of recycled formation water and fresh water.

GIVE AN ACCURATE DESCRIPTION OF THE INJECTION ZONE INCLUDING LITHOLOGIC DESCRIPTIONS, GEOLOGIC NAME, THICKNESS, DEPTH, POROSITY,

The upper, middle, and lower Squirrel Sandstone depth ranges from 500-600 feet with an average thickness of 90 feet. The upper Squirrel is generally 30 feet thick with 21% average porosity and 172 millidarcy's average permeability. The middle Squirrel is generally 20 feet thick with 22% average porosity and 1,000 millidarcy's average permeability. The lower Squirrel is generally 40 feet thick with 20.5% average porosity and 593 millidarcy's average permeability.

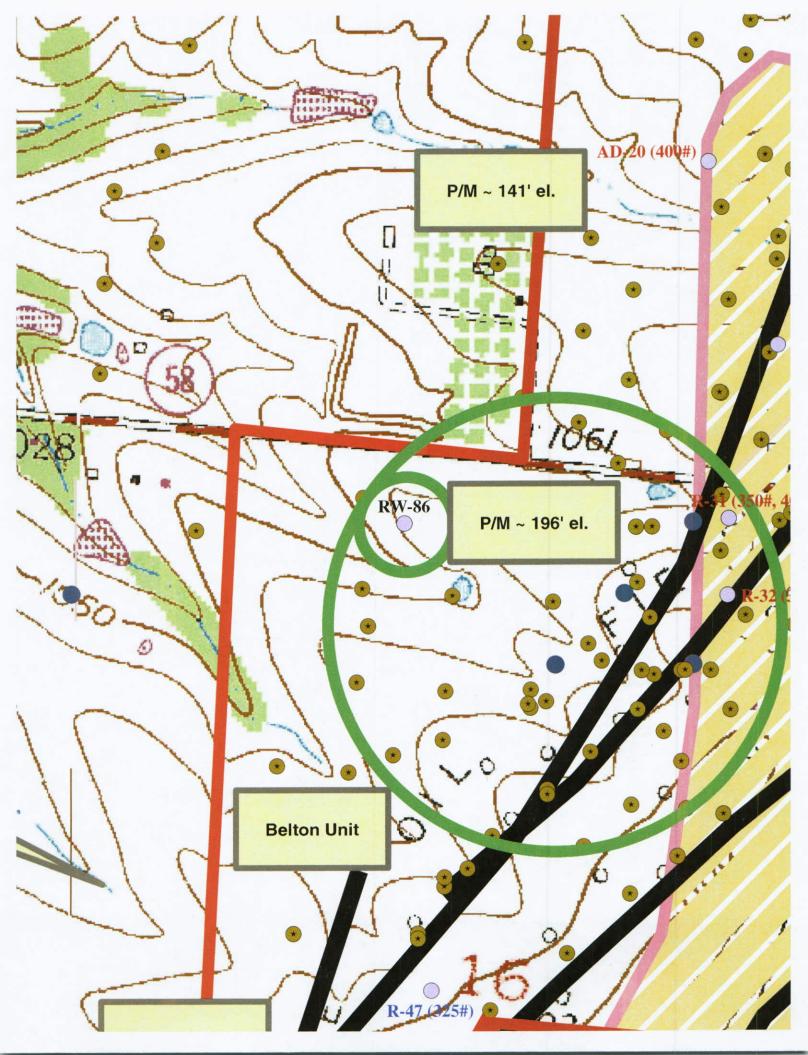
GIVE AN ACCURATE DESCRIPTION OF THE CONFINING ZONES INCLUDING LITHOLOGIC DESCRIPTION, GEOLOGIC NAME, THICKNESS, DEPTH, POROSITY,

The confining layers of the Squirrel Sandstone consist of the the Fort Scott group above the sandstone and the Verdigris formation below the sandstone. The Fort Scott contains two prominent shales, the Blackwater Creek and the Excello, as well as the Blackjack Creek limestone that has a total thickness of 30-50 feet. The Verdigris formation consists of the the Ardmore limestone member and the Oakley shale with a total thickness of 20-40 feet. The zones are impermeable at less than 3% porosity.

SUBMIT ALL AVAILABLE LOGGING AND TESTING DATA ON THE WELL

GIVE A DETAILED DESCRIPTION OF ANY WELL NEEDING CORRECTIVE ACTION THAT PENETRATES THE INJECTION ZONE IN THE AREA OF REVIEW (1/2 MILE RADIUS AROUND WELL). INCLUDE THE REASON FOR AND PROPOSED CORRECTIVE ACTION.

No corrective action needed.







STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

AUG 06 2012

FORM OGC-41

INJECTION WELL	LOCATION PLAT	Ma O:1 8 O	
OWNER'S NAME	H = 35 Y 242 2-11-W	Mo Oil & Gas Council	
Kansas Resource Exploration & Dev	elopment, LLC (K.R.E.D)		
LEASE NAME		COUNTY	
Belton Unit - RW-86		Cass	
WELL LOCATION	(GIVE FOOTAGE FROM		
WELL LOCATION ft. from	North South section line	3217 ft. from ☑East ☐West section line	
	33	at	
Sec. 16 Township 46 North Rai	nge <u>33</u> ☐ East ☑ We	LONGITUDE	
N38° 48' 58.940"		W94° 34' 41.090" 🗸	
	7000	86- 329'	
	1244	80	<u> </u>
		12 2W-37	
N.I.		Belton Unit	
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		Clark-Berry	
10 .			
special Project			
REMARKS		51561	-
Section 16 is an irregular section and	larger than one square mile.	5129'/	
Plat Map Scale - 1 Square = 682.25	leet /		
	J		
INSTRUCTI	ONS	This is to certify that I have executed a survey to accurately	
1101110011		locate oil and gas wells in accordance with 10 CSR 50-2.030	0 and
On the above plat, show distance of	the proposed well from the	that the results are correctly shown on the above plat.	
two nearest section lines, the nearest			
nearest well on the same lease com same reservoir. Do not confuse sur	vev lines with lease lines.		
See rule 10 CSR 50-2.030 for surve			
must be marked.	N.		
REGISTERED LAND SURVEY		NUMBER	



Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

Submit

 Universal Transverse Mercator [Zone 15 North]

Easting

362994.9867706235

meters

Northing

4297582.360677519

meters

Decimal Degrees

Latitude

38.8163722222222

Longitude

-94.57808055555556

Degrees, Minutes and Seconds

Latitude Degrees

Latitude Minutes

48

Latitude Seconds

58.94

Longitude Degrees

Longitude Minutes

Longitude Seconds

41.09

Metadata

- · Interstate Highways
- US Highways
- State Highways
- Railroad
- · Major and Minor Roads
- County Boundary
- Lakes
- Major Rivers
- · Rivers and Streams
- Missouri River
- Mississippi River
- Municipal

UTM Zone 15N [Easting, Northing] [362994.9, 4297582.3] meters Decimal Degrees [Lat, Lon]

Deg, Min, Sec [Lat, Lon]

County Name County FIPS Code

Legal Description

Municipality

House District

Senate District Congressional District

MoDNR Region

USGS 1:24,000 Quadrangle

8 Digit Watershed

10 Digit Watershed 12 Digit Watershed

Special Well Drilling Area

Ecological Drainage Unit

Level III Ecoregion

Query Time

[38.816372°, -94.578081°]

[38° 48' 58.9", -94° 34' 41.0"]

Cass 037

Section 16 T46N R33W

NO VALUE

123 31

Kansas City Regional Office

Belton [38094-G5]

10300101 [Lower Missouri-Crooked]

1030010101 [Blue River]

103001010104 [Camp Branch-Blue River]

Area 2

Central Plains/Blackwater/Lamine

Central Irregular Plains

5.641 s

Rows with red text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

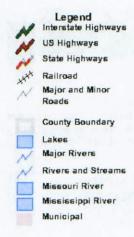
Well ID: #005390

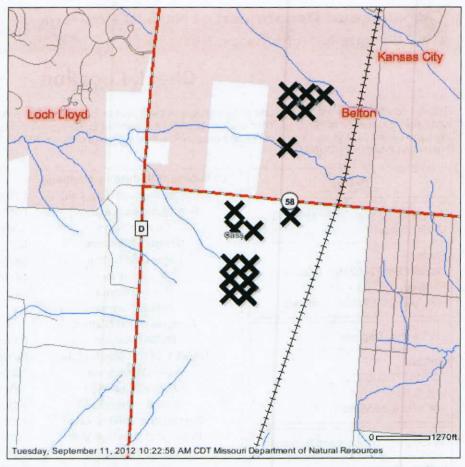
Elev. 1069' P. : 229' elev. Pc-M= 345'

Well ID: #026255 in lease

R = 535' TD

1056-85-345 → P ~ 176 elev.





View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



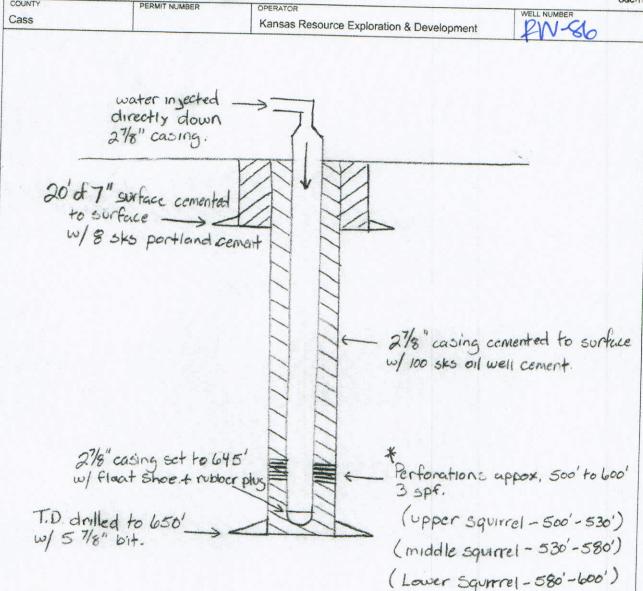
P. O. Box 176, Jefferson City, MO 65102 800-361-4827 / 573-751-3443 E-mail: contact@dnr.mo.gov



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

INJECTION WELL SCHEMATIC

OGC-11



INSTRUCTIONS ON THE ABOVE SPACE DRAW A NEAT, ACCURATE SCHEMATIC DIAGRAM OF THE APPLICANT INJECTION WELL, INCUDING THE FOLLOWING: CONFIGURATION OF WELLHEAD, TOTAL DEPTH OR PLUG BACK TOTAL DEPTH, DEPTH OF ALL INJECTION AND BOTTOMS OF ALL CASING AND THEIR FORMATION NAMES, LITHOLOGY OF ALL FORMATIONS PENETRATED, DEPTHS OF THE TOPS DEPTH, LOCATION, AND TYPE OF ALL CEMENT, DEPTH OF ALL PERFORATIONS AND THE TYPE AND DEPTH OF PACKER, DEPTH TO BOTTOM OF ALL UNDERGROUND SOURCES OF DRINKING WATER WHICH MAY BE AFFECTED BY THE INJECTION. USE BACK

The surface casing is 7" in diameter and is new, limited service grade pipe. The 7" is drifted and tested to 7,000 lbs. and weighs at least 17 lbs. per foot. The surface casing will be set to a minimum depth of 20 feet and extend 6 inches above the surface. Approximately 8 sacks of Portland cement will be circulated to surface and will secure the well and ensure the contents of the well bore are sealed off from sources of drinking water. The production casing used is 2 7/8" EUE upset, drifted and tested to 7,000 lbs. No tubing will be ran in the injection wells, the injection fluid will be injected directly down the 2 7/8" casing. The total depth of the well will be approximately 650 feet drilled with a 5 5/8" bit. A 2 7/8" flapper type float shoe will be set at the base of the 2 7/8" casing pipe (645 feet) with centralizers installed to center the casing inside the well bore for better cement bonding. The 2 7/8" casing will be cemented from 650 feet to surface using a 2 7/8" rubber plug for displacing the cement. Approximately 100 sacks of high-grade Oil Well cement will be used to cement all wells. This cement will ensure that no contents of the pipe will leave the well bore. The top of the 2 7/8" casing will extend approximately one foot above ground level. After the cement has cured and effectively bonded to the 2 7/8" casing, perforations will be made in the Squirrel Sandstone formation from approximately 500-600 feet, depending on where the oil sand is present at this particular location. Wells will be shot with 3 perforations per foot where the squirrel sandstone oil reservoir is present and capable of water injection. No water sources are present at this depth and will not be affected by these perforations or the injection. The relevant sources of drinking water are located less than 20 feet below surface. The 7" surface pipe and durable Portland cement ensures these water sources will remain free from contamination from drilling and injection activity. Other sources of potential usable water may be present, however not always potable, in the Pennsylvanian and Mississippian formations located approximately 150 feet or deeper below the base of the Squirrel Sandstone.

The lithology of all formations penetrated by the wellbore are as follows:

<u>Formation</u>	Total Depth (feet)
Soil	0-2
Clay	2-6
Lime	6 – 28
Shale	28 – 49
Lime	49 – 64
Shale	64 – 69
Red Bed	69 – 78
Shale	78 – 82

Lime	82 – 87	
Shale	87 – 105	
Gray Sand	105 – 124	
Shale	124 – 128	
Lime	128 – 130	
Shale	130 – 147	
Lime	147 – 177	
Shale (Slate 183 – 184)	177 – 186	
Lime	186 – 204	
Shale (Slate 207 – 208)	204 – 209	
Lime	209 – 211	
Shale	211 – 214	
Lime "Hertha"	214 – 220	Top Pawnee Limestone
Shale	220 – 259	
Lime	259 – 260	,
Gray Sand "Knobtown"	260 – 262	
Shale	262 – 324	
Gray Sand	324 – 329	
Shale	329 – 358	
Gray Sand	358 – 362	Base Pawnee Limestone
Shale	362 – 399	Top Labette Shale
Lime	399 – 401	
Shale	401 – 404	
Lime	404 – 406	
Shale (Slate 411 – 412)	406 – 417	
Lime	417 – 424	
Shale	424 – 427	
Gray Sand	427 – 431	Base Labette Shale

Shale	431 – 443	Top Fort Scott
Lime	443 – 448	· BlackJack Creek Limestone
Shale (Slate 452 – 453)	448 – 469	Summit Coal
Gray Sand	469 – 471	Base Fort Scott
Sdy. Shale	471 – 501	base rolt scott
Very laminated Sand	501 – 502	Ton Swinds
Sandy Lime	502 - 503	Top - Squirrel Sandstone
Slightly lamin. Sand	503 – 504	
Sandy Lime	504 – 505	
Solid Sand	505 – 506.5	
Shale	506.5 – 507	
Slightly lamin. Sand	507 – 507.5	
Sandy Shale	507.5 – 509.5	
Solid Sand	509.5 - 510.5	
Sandy Lime	510.5 - 511.5	
Solid Sand	511.5 – 515.5	
Sandy Lime	515.5 – 518	
Solid Sand	518 – 520	
Sandy Lime	520 – 521	
Solid Sand	521 – 525	
Sandy Lime	525 – 526	
Laminated Sand	526 – 527	
Sandy Shale	527 – 528.5	
Sandy Lime	528.5 – 530	
Solid Sand	530 – 533	
Sandy Lime	533 – 534	
Sandy Shale	534 – 535	
Slightly laminated Sand	535 – 536.5	

Sandy Lime	536.5 – 538
Solid Sand	538 – 539
Lime and Shells	539 – 541
Sand lamin. w/ Sandy Lim	e 541 – 542
Lime and Shells	542 – 543
Solid Sand	543 – 544.5
Sandy Lime and Shells	544.5 – 547.5
Sand and Shells	547.5 – 548.5
Lime and Shells	548.5 – 552
Solid Sand	552 – 553
Lime and Shells	553 – 555.5
Sand and Shells	555.5 – 559.5
Lime and Shells	559.5 – 563.5
Solid Sand	563.5 – 582.5
Slightly laminated	582.5 - 583.5
Shale and Shells	583.5 – 587.5
Solid Sand	587.5 – 590.5
Sand and Shells	590.5 – 591.5
Solid Sand	591.5 – 593
Lime	593 – 593.5
Very laminated Sand	593.5 – 596 Base – Squirrel Sandstone
Shale (Slate 610 – 611)	596 – 616 Top – Verdigris
Lime	616 – 617 Ardmore Limestone
Shale (Slate 621 – 622)	617 – 650 Oakley Shale

Re: Closure Pressure

Attached is a reproduction from "Production Operations, Vol. 2" by Allen and Roberts describing the fracturing pressures in a reservoir.

The fracture propagation pressure is approximately the same as the closure pressure, although slightly higher. This difference is less significant in low pressure reservoirs such as the ones in the Cherokee Basin, consequently, they are considered to be the same. The fracture propagation pressure is the same as the instantaneous shut-in pressure (ISIP) experienced upon cessation of a hydraulic fracture treatment. The ISIP from a fracture procedure is the surface pressure measurement. Bottom-hole ISIP must be calculated by adding the surface ISIP and the product of the depth to mid-perforations (feet) and the pressure gradient of the fluid in the wellbore (psi/foot). For fresh water the fluid gradient is 0.434 psi/foot. Since the fluid in fracture operations is more dense than fresh water most engineers estimate the bottom-hole ISIP with a higher gradient. The state of Oklahoma uses a gradient of 0.50 psi/foot.

Utilizing ISIP's experienced at Belton, and a fresh water gradient of 0.434, the calculated bottom-hole ISIPs are:

WELL	DEPTH TO MID-PERF	ISIP (Surface)	ICID (D. C.)
R32	626		ISIP (Perfs)
R32	585	400	672
R31		350	604
	600	400	660
R31	552	350	640
R47	620	325	
AD20	536	400	594
AD20	582.5	Activities and the second	633
AD9-2	7000000	400	653
	610	400	665
AD9-2	507	400	620
AD16-2	544	400	636

The fracture propagation pressure is the pressure in which the aperture of the existing fractures can begin to be opened. An increase in injection rate is noted at this point on injection step-rate tests. At injection pressures at, or slightly above, the ISIP, the fractures in the immediate vicinity of the wellbore (inches) may be affected but not into the reservoir significantly. In actual injection operations of a waterflood at ISIP, fractures wouldn't be created beyond the region adjacent to the wellbore because of; 1) fluid leak-off into the formation, 2) the injection of a low viscosity fluid, and 3) the extremely low injection rates - far less than what is necessary to create a fracture.

minimum stress at the borehole, and must also overcome the tensile strength of the rock. This can be expressed as follows:

$$(P_i)_{i} = 3 \, \tilde{\sigma}_{h_2} - \tilde{\sigma}_{h_1} + S_{h} + P$$
 (5)

where:

(P_i), = borehole pressure required to initiate vertical fracture

 $\tilde{\sigma}_{a_1} = \text{maximum principal horizontal matrix stress}$

 S_k = horizontal tensile strength of rock

 \tilde{P} = formation pore pressure

Penetrating Fluid Reduces Breakdown Pressure— A penetrating fluid increases the area over which pressurized fluid contacts the formation and can reduce the pressure necessary to initiate fracturing.

Laboratory and theoretical work by Fairhurst and Haimson²¹ provides a basis for estimation of the magnitude of reduction in openhole. Generally reduction may be on the order of 25 to 40% in openhole.

Perforation Density and Orientation—Recent laboratory work in cased hole shows that breakdown or frac initiation pressure is affected by the number and arrangement of perforations.²⁵

The existence of casing and the arrangement of perforations have little effect on created fracture orientation, but breakdown pressure is reduced by increased number of perforations. The practice of perforating with all shots in a vertical line on one side of the casing, Figure 8-6 significantly increases

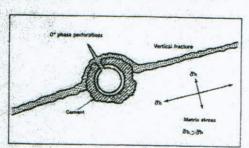


FIG. 8-6—Orientation of perforation vs. least horizontal matrix stress. Condition resulting in highest breakdown pressure:

breakdown pressure if the perforations happen to be oriented 90° to the azimuth of the vertical fracture plane. Orientation of perforations does not affect azimuth of the vertical fracture however.

Fracture Propagation

Once the fracture has been created and invaded by pressured fluid, the stress concentration near the wellbore is reduced, and the hydraulic pressure required to extend the fracture must merely overcome the component of the undisturbed stress field normal to the plane of the fracture.

Measuring Propagation Pressure and Frac Gradient—The fracture propagation pressure (and frac gradient) can be obtained during the fracing operation by recording the wellhead pressure immediately after the pumps are shut down following injection into the fracture (Figure 8-7). Since the frac gradient is increased by increased pore pressure, this measurement should be made before the pore pressure is significantly raised by the injected frac fluid.

Wellhead instantaneous shut-in pressure, corrected to the hole bottom by adding the hydrostatic pressure of the wellbore fluid column, is the fracture propagation pressure. Fracture gradient is the fracture propagation pressure divided by the formation depth.

Measuring Rock Matrix Stress-The minimum horizontal rock matrix stress is then:

 $\hat{\sigma}_{k_i}$ = propagation pressure - pore pressure

This stress is of particular interest because it is the stress which propping agents must withstand in order to hold the fracture open. In actual practice pore pressure can be equated to static reservoir pressure provided fracture propagation pressure is measured before significant frac fluid is injected to raise the pore pressure level near the wellbore.

It should be noted that proppant in the critical area near the wellbore is subjected to more stress than that further away due to lower pore pressure near the wellbore in the producing process, Figure 8-8. This effect may be significant at high drawdown pressures.

Fracture Orientation

Fracture Propagates Perpendicular to Smallest Stress-Rocks fracture in a plane perpendicular to Belton Unit, Cass County, Missouri

Re: Injection Volumes

Injection volumes are determined by using analogy from previous squirrel sandstone water floods that contain similar reservoir characteristics. In the case of the Belton Unit we plan to inject 1 barrel of water for every 1 net foot of oil bearing sandstone. (assuming this rate does not exceed the maximum approved injection pressure) Depending on the duration and impact of the surrounding wells some injection wells may ultimately inject 3 barrels of water for every 1 net foot of oil bearing sandstone.

Due to the permeability variance of the reservoir we typically will not exceed 15' of perforations per injection well.

Example;

Year 1

15' perforations x 1 bbl/ft = 15 BPD injection rate

Year 2

15' perforations x 2 bbls/ft = 30 BPD injection rate

Year 3

15' perforations x 3 bbls/ft = 45 BPD injection rate

We typically do not exceed 3 bbls/ft injection rate, which is why we are requesting only 50 BPD rate.

INSTRUCTIONS

completion of information, detailing the cement, casing, and subsurface casing information. the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

MO 780-1136 (02-11) Belton Unit LEASE R-8 R-7 R-6 R-5 WELL NO. R-9 R-3 R-2 R-4 R-1 SEC. 16 T. 46 N.R. 33W 53 52 FROM (B) (S) SEC LINE 2013 FROM (E) (W) SEC LINE SEC. 16 T. 46 N.R. 33VY
14 % FROM (N)(S) SEC LINE
243 FROM (E) WSEC LINE SEC. 16 T. 46 N.R. 33W 1484 FROM (N)S) SEC LINE 1024 FROM (E) SEC LINE SEC LINE (E)(W) SEC LINE AHIN FROM (E) WSEC LINE 171 FROM (N)(S) SEC LINE SEC. 16 AHISFROM (E) SEC LINE 290 | FROM (E) SEC LINE 168 FROM(N)(S) SEC LINE DOS FROM (N)(S) SEC LINE SEC. 16 T. 46 N.R. 33W SEC. 16 SEC. 16 T. 46 N.R. 33W 16 T. 46 N.R. 33W FROM (S) SEC LINE FROM (N)(S) SEC LINE LOCATION T. 46 N.R. 33W K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D OWNER 651 655 646 608 DEPTH 639 680 665 600 619 0 0 0 0 0 0 0 0 0 05/03/2000 05/05/2000 04/27/2000 04/23/2000 05/01/2000 03/02/2000 02/29/2000 06/04/1999 04/08/1999 SPUDDED 05/08/2000 04/28/2000 05/05/2000 04/25/2000 03/07/2000 DATE 05/02/2000 03/02/0200 06/10/1999 04/13/1999 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump CONSTRUCTION

INSTRUCTIONS

	WELL							
LEASE	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Belton Unit	R-10	1980 FROM (E) SEC LINE	K.R.E.D.	627'	0	05/15/2000	05/16/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
		567 FROM(N)(S) SEC LINE						4 1/2" casing cemented to surface
Belton Unit	R-11	FROM (ELW)SEC LINE	K.R.E.D	626'	0	05/10/2000	05/12/2000	2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
		FROM (N)(S) SEC LINE						4 1/2" casing cemented to surface
Belton Unit	R-12	TROM (E) WSEC LINE	K.R.E.D	642'	0	05/16/2000	05/18/2000	2 3/8" tubing 3/4" rods and insert pump
		CHU FROM NVS) SEC LINE						
Belton Unit	R-13	983 FROM (E)(M) SEC LINE	K.R.E.D	620'	0	05/22/2000	05/24/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-14	1/4 FROM (NS) SEC LINE	K.R.E.D	637'	0	09/17/2001	09/19/2001	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-15	573 FROM (E) (S) SEC LINE	K.R.E.D	621'	0	12/15/2000	12/20/2000	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-16	2548FROM (E) SEC LINE	K.R.E.D	652.5'	0	10/13/2003	10/15/2003	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W						
Belton Unit	R-17	FROM (E) SEC LINE	K.R.E.D	686'	0	01/29/2004	01/30/2004	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 16 T. 46 N.R. 33W		,				The second secon
Belton Unit	R-18	KIN FROM (NS) SEC LINE	K.R.E.D	914.5	0	01/07/2004	01/09/2004	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert purpo
		SEC. 16 T. 46 N.R. 33W			Ų			d and a second braining
MO /80-1136 (UZ-11)								

INSTRUCTIONS

Belton Unit RI-2	Belton Unit RI-1	Belton Unit R-25	Belton Unit R-24	Belton Unit R-23	Belton Unit R-22	Belton Unit R-21	Belton Unit R-20	Belton Unit R-19	LEASE WELL NO.
795 FROM (NS) SEC LINE (E) SEC LINE (E) SEC LINE SEC. 16 T. 46 N.R. 33W	368 FROM (B)(S) SEC LINE 24.64 FROM (E)(6) SEC LINE SEC. 16 T. 46 N.R. 33W		SEC. 16 T. 46 N.R. 33W	SEC. 16 T.46 N.R. 33W	FROM (N)S)SEC LINE SEC. 16 T. 46 N.R. 33W	2045 FROM (N)(S) SEC LINE 2045 FROM (Byw) SEC LINE SEC. 16 T. 46 N.R. 33W	R-20 FROM (N)(S) SEC LINE R-20 FROM (E)(W) SEC LINE SEC 16 T. 46 N.R. 33W	2010 FROM (E) SEC LINE 2010 FROM (E) SEC LINE SEC 16 T.46 N.R. 33W	LOCATION
K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
627'	623'	660'	658'	660'	660'	635'	661'	621.5'	DEPTH
-	Plugged	0	0	0	0	0	0	0	TYPE
U	07/26/2000	U	01/25/2008	C	12/04/2008	01/14/2008	01/18/2008	02/12/2004	DATE
U	08/31/2000	7/P	Z P	でア	N/2	01/16/2008	01/22/2008	02/13/2004	DATE
4 1/2" casing cemented to surface	4 1/2" casing comented to surface Plugged (1) 37 17 - Stutted	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	CONSTRUCTION

INSTRUCTIONS

)	MO 780-1136 (02-11)
						SEC. 16 T. 46 N.R. 33W		
4 1/2" casing cemented to surface	01/15/2004	01/13/2004	_	647.5'	K.R.E.D	RW-9 3370 FROM (EW) SEC LINE	RW-	Belton Unit
						SEC. 16 T. 46 N.R. 33W		
4 1/2" casing cemented to surface	02/13/2004	02/12/2004	_	641.5'	K.R.E.D	RW-8 FROM (E) SEC LINE	RW	Belton Unit
and the same of						SEC. 16 T. 46 N.R. 33W		
4 1/2" casing cemented to surface	02/11/2004	02/10/2004	Plugged	638'	K.R.E.D	3/4 FROM()(S) SEC LINE 1-7 SILS FROM (E) SEC LINE	RW-7	Belton Unit
	(<				SEC. 16 T. 46 N.R. 33W		
Squeezed	=		Plugged	571'	K.R.E.D	110 FROM(N)(S) SEC LINE 18 FROM (E) SEC LINE	C-18	Belton Unit
						SEC. 16 T. 46 N.R. 33W		
	04/14/2001	04/16/2001	8	891'	K.R.E.D	WSW-13521 FROM (E(W) SEC LINE		Belton Unit
State Court of Contraction	<	,						
4 1/2" casing cemented to surface			Myged	644'	K.R.E.D	367 FROM (S) SEC LINE	RI-6	Belton Unit
	C	C				SEC. 16 T. 46 N.R. 33W		
4 1/2" casing cemented to surface	=	5	-	637'	K.R.E.D	1-5 FROM (E) SEC LINE	RI-5	Belton Unit
						SEC. 16 T. 46 N.R. 33W		
4 1/2" casing cemented to surface	08/29/2000	08/25/2000	-	641'	K.R.E.D	130) FROM (N/S) SEC LINE	RI-4	Belton Unit
	C	C				SEC. 16 T. 46 N.R. 33W		
4 1/2" casing cemented to surface		5	-	635'	K.R.E.D.	RI-3 FROM (E) SEC LINE		Belton Unit
CONSTRUCTION	DATE	SPUDDED	TYPE	DEPTH	OWNER	NO. LOCATION	N	LEASE

INSTRUCTIONS

	,					SEC. 9 T. 46 N.R. 33W	=	MO 780-1136 (02-11)
	C	08/31/1987	0	637'	K.R.E.D	FROM (E)	-	Belton Unit
						SEC. 9 T. 46 N.R. 33W		
2007	12/10/2007	12/06/2007	0	657'	K.R.E.D	FROMEN		Belton Unit
						220 FROM (N. 1906 F. 1916		
2008	01/04/2008	12/03/2007	0	615'	K.R.E.D	AD-1 ATOUROM (E)W) SEC LINE	-	Belton Unit
						220 FROM (NS) SEC LINE		
•	1					SEC. 16 T. 46 N.R. 33W		
P	2	12/08/2008	_	661'	K.R.E.D	RW-19 FROM (E)(W) SEC LINE		Belton Unit
						FROM (N) S SEC LINE		
•						SEC. 16 T. 46 N.R. 33W		
P	とが	12/02/2008	_	660'	K.R.E.D	RW-16 FROM (E)W) SEC LINE		Belton Unit
						FROM (N) SEC LINE		
I	14/21					SEC. 16 T. 46 N.R. 33W		
*		11/26/2008		660'	K.R.E.D	RW-15 FROM(H)(W) SEC LINE		Belton Unit
						FROM (N) SEC LINE		
						SEC. 16 T. 46 N.R. 33W		
02/09/2004	02/09	02/06/2004	2	697'	K.R.E.D	RW-13 BY AFROM (E) SEC LINE		Belton Unit
						FROM (V)(S) SEC LINE		
!						SEC. 16 T. 46 N.R. 33W		
02/06/2004	02/0	02/04/2004	-	652'	K.R.E.D	RW-11 8363 FROM (E)(WEEC LINE		Belton Unit
						FROM (S)(S) SEC LINE		
						SEC. 16 T. 46 N.R. 33W		
2004	02/03/2004	02/02/2004	_	678'	K.R.E.D.	RW-10 FROM (E) SEC LINE	1.77	Belton Unit
ETED	COMPLETED	SPUDDED				MOSEROM NIXOLOGO LINE	+	
H	DA	DATE	TYPE	DEPTH	OWNER	NO. LOCATION		LEASE

INSTRUCTIONS

	B	₩	D.	П	T.			T	T
Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE
AD-12	AD-11	AD-10	AD-9	AD-8	AD-7	AD-6	AD-5	AD-4	NO.
(0)	4785 FROM (N) SEC LINE 4785 FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	123 FROM (N/3) SEC LINE 123 FROM (E) (M) SEC LINE SEC. 9 T. 46 N.R. 33W	3835 FROM (NG) SEC LINE SEC. 9 T. 46 N.R. 33W	340 FROM (NG SEC LINE 3401 FROM (E) W SEC LINE SEC. 9 T.46 N.R. 33W	23 FROM (N(S)) BEC LINE 238 FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	101 FROM (N(S)SEC LINE 1186 FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	410 FROM (N) SEC LINE 410 FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	FROM (N) SEC LINE TSS FROM (E) SEC LINE SEC. 9 T. 46 N.R. 33W	LOCATION
K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
710'	665'	659'	662'	622'	630'	708'	679'	666'	DEPTH
0	Plugged	0	Plugged	0	0	0	0	0	TYPE
01/23/2008	136	05/25/1987	08/25/1987	05/14/1999	12/12/2007	01/31/2008	06/21/1987	07/14/1987	SPUDDED
02/26/2008		07/21/1987		05/27/1999	12/14/2007	02/19/2008	06/25/1987	07/16/1987	DATE
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface Squeezed cement into formation to surface on 03/19/2012	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface Squeezed cement into formation to surface on 04/04/2012	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	CONSTRUCTION

INSTRUCTIONS

	WELL			Charles Sales and Charles			
N LEASE	_	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Belton Unit AD	AD-13 2420 FROM (N) SEC LINE	K.R.E.D.	700'	Plugged	12/21/2007	2/2	Cemented from bottom to top on 12/27/2007
	SEC. 9 T. 46 N.R. 33W					7	
Belton Unit AD	AD-14 2405 FROM (E) SEC LINE	K.R.E.D	609'	0	04/21/1999	05/13/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert numb
	SEC. 9 T. 46 N.R. 33W						T
Belton Unit AD-15	-15 TROM (N) SEC LINE	K.R.E.D	617'	0	11/13/1989	11/14/1989	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
	SEC. 9 T. 46 N.R. 33W						g - The state of t
Belton Unit AD-	AD-16 4225 FROM (E) SEC LINE	K.R.E.D	666'	Plugged	07/23/1987		4 1/2" casing cemented to surface Squeezed cement into formation to surface on 04/04/2015
	SEC. 9 T. 46 N.R. 33W						variation to surface on 04/04/2012
Belton Unit AD-17	FROM (E) (W	K.R.E.D	647'	0	2		4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert numb
	SEC. 9 T. 46 N.R. 33W				<	(
	FROM (N) SEC LINE						4 1/2" casing comented to surface
Belton Unit AD-18		K.R.E.D	676.5'	0	01/02/2008	02/26/2008	2 3/8" tubing 3/4" rods and insert pump
	SEC. 9 T. 46 N.R. 33W						
Belton Unit AD-	AD-21 3809 FROM (E) SEC LINE	K.R.E.D	656'	0	09/11/2003	09/12/2003	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert numb
	SEC. 9 T. 46 N.R. 33W						7
Belton Unit AD-		K.R.E.D	650'	0	06/13/1999	06/18/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert numn
	SEC. 9 T. 46 N.R. 33W						
	FROM (NO SEC LINE						
Belton Unit AD-2	AD-23 FROM (E) SEC LINE	K.R.E.D	644'	0	09/09/2003	09/11/2003	4 1/2" casing cemented to surface
	SEC. 9 T. 46 N.R. 33W						r or coming or a roots and insert pump
MO /80-1136 (02-11)							

INSTRUCTIONS

LEASE	WELL NO.	LOCATION	OWNER	DEPTH	TYPE	DATE SPUDDED	DATE	CONSTRUCTION
Belton Unit	AD-24		K.R.E.D.	672.5	0	12/27/2007	02/06/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-28	AD-28 4145 FROM (E) (M) BEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	629'	0	07/08/1999	07/14/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-29	17 FROM (N)	K.R.E.D	625'	0	06/18/1999	07/07/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	ADI-18		K.R.E.D	651.5'	-	10/09/2003	10/10/2003	4 1/2" casing cemented to surface
Belton Unit	ADI-19	FROM (NG) SEC LINE (D) SEC LINE (E) (D) SEC LINE (E) (D) SEC LINE (E) (E) (E) (E) (E) (E) (E) (E) (E) (E	K.R.E.D	654.5'	_	10/07/2003	10/08/2003	4 1/2" casing cemented to surface
Belton Unit	ADI-24	ADI-24 3(62) FROM (N)(8) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	662'		09/16/2003	09/17/2003	4 1/2" casing cemented to surface
Belton Unit	ADI-25	ADI-25 FROM (R) SEC LINE SEC. 9 T. 46 N.R. 33W	K.R.E.D	651.5'	-	09/12/2003	09/15/2003	4 1/2" casing cemented to surface
Belton Unit	ADI-26	ADI-26 SEC. 9 T. 46 N.R. 33W	K.R.E.D	650.5'	_	09/17/2003	09/19/2003	4 1/2" casing cemented to surface
Belton Unit		ADI-27 SEC. 9T. 46N.R. 33W	K.R.E.D	674.1'	-	01/04/2008	04/16/2008	4 1/2" casing cemented to surface

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

<u>_</u>
C
12/17/2007 04/16/2008
04/16/2008
C
C
C
06/04/1999
12/19/2007 04/16/2008
DATE

M

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other completion of information, detailing the cement, casing, and subsurface casing information. specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

MO 780-1136 (02-11) Belton Unit 0H-8 OH-7 9-HO OH-5 0H-4 OH-3 OH-2 ADI-41 OH-1 WELL NO. FROM (E)(W) SEC LINE 753 FROM (N)(S) SEC LINE SHOS FROM (E)(SEC LINE SEC. 16 5316 ROM (E) SEC LINE FROM (E) SEC LINE 3051 FROM (E) SEC LINE AHOOFROM (E)(M)SEC LINE SEC. 16 FROM (E)(SEC LINE SEC. 16 919 937 FROM (NS) SEC LINE FROM (N) SEC LINE 1969 FROM (E) SEC LINE SEC. 16 SEC. 16 FROM (S) SEC LINE SEC. 16 SEC. 16 SEC. 9 T. 46 N.R. 33V SEC. 16 T. 46 FROM(N)(S) SEC LINE FROM (N)(S) SEC LINE FROM (S) SEC LINE FROM (N) SEC LINE T. 46 N.R. 33W T. 46 N.R. 33W T. 46 N.R. 33W T. 46 N.R. 33W LOCATION T. 46 N.R. 33W T. 46 N.R. 33W N.R. 33W N.R. 33W N.R. 33W K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D OWNER 600 est 600' est 600' est 600' est 600' est 600 600' est 600' est 600' est DEPTH est Plugged Plugged Plugged TYPE 0 0 0 0 0 DATE DATE COMPLETED 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump Squeezed cement into formation to surface Squeezed cement into formation to surface Squeezed cement into formation to surface 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface CONSTRUCTION

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

completion of information, detailing the cement, casing, and subsurface casing information.

					DATE	חאדה	
LEASE	1	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Belton Unit O	OH-9 FROM (E) SEC LINE	CLINE K.R.E.D.	600' est	Plugged		17	Squeezed cement into formation to surface
	SEC. 16 T. 46 N.	N.R. 33W			(<	
	FROM (N)S SEC LINE	CLINE					A A JOH
Belton Unit U	UK-1 1300 FROM EW) SEC LINE	C LINE K.R.E.D	C	Plugged	-	7	Squeezed cement into formation to surface on 04/17/2012
	SEC. 16 T. 46 N.	N.R. 33W			<	<	
	FROM (N) SY SE	CLINE					
Belton Unit UI	UK-2 1970 FROM (B)(W) SEC LINE	CLINE K.R.E.D	C	Plugged	^	:	4 1/2" casing cemented to surface on 04/17/2012 Squeezed cement into formation to surface on 04/17/2012
	16 T. 46	N.R. 33W		Ç	<	<u> </u>	
	FROM (N)(6) SEC LINE	CLINE					4 1/2" casing comparted to surface
Belton Unit UI	UK-3 PROM (E)W) SEC LINE	K.R.E.D	C	0	2	<u>.</u> ت	2 3/8" tubing 3/4" rods and insert pump
	SEC. 16 T. 46 N.R. 33V	N.R. <u>33W</u>			C	<	
Clark-Berry CB-1		CLINE K.R.E.D	625'	0	03/22/1999		2 7/8" with 1" tubing and insert pump
	SEC. 16 T 46 N.R. 33V	N.R. <u>33W</u>				<	
Clark-Berry CE	CB-2 CB-2 CB-2 CB-2 CB-2 CB-2 CB-2 CB-2	CLINE K.R.E.D	625'	0	=	1)	2 7/8" with 1" tubing and insert pump
	SEC. 16 T. 46 N.	N.R. 33W			<	<	
Clark-Berry CE	CB-3 FROM (E) SEC LINE	CLINE K.R.E.D	625'	0	03/25/1999	03/30/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
	SEC. 16 T. 46 N.R. 33W	R. 33W					
Clark-Berry CB-4	3-4 SH24 FROM (E) (W) SEC LINE	CLINE KRED	610'	0	03/30/1000	04/03/4000	4 1/2" casing cemented to surface
	SEC. 16 T. 46 N.	<					
	FROM (N)(S) SEC LINE	CLINE					4 1/2" casing cemented to surface
Clark-Berry CBI-1		CLINE K.R.E.D	629'	_	03/22/1999	03/25/1999	+ 1/2 casing centented to surface
	SEC. 16 T. 46 N.	N.R. 33W					
MO /80-1136 (02-11)							

INSTRUCTIONS

- n A 2 n	WELL				0			
	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	DATE	CONSTRUCTION
Clark-Berry	CBI-2	FROM (E)(W) SEC LINE	K.R.E.D.	634'	-	04/02/1999	04/07/4000	4 1/2" casing cemented to surface
		SEC. 16 T. 46 N.R. 33W				0 1000	6661/10/40	
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
		SECTN.R.						
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
		SECTN.R.						
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
		SECTN.R						
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
		SECTN.R						
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
		SEC. T. N.R.						
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
		SECTN.R						
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
	-	SECTN.R						
		FROM (N)(S) SEC LINE						
	-	FROM (E)(W) SEC LINE						
		SEC. T. N.R.						

INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other completion of information, detailing the cement, casing, and subsurface casing information. specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

MO 780-1136 (02-11) Belton Unit R-36 R-33 R-32 R-31 R-30 R-29 R-28 R-27 R-26 WELL NO. SEC_16 T_46 N.R. 33W 1-1-21 FROM (N) SEC LINE 8 38.14 FROM (D) M) SEC LINE SEC. 16 T. 46 N.R. 33W FROM (N)(6)SEC LINE 353FROM (N)(6)SEC LINE SEC. 16 T. 46 N.R. 33W 494 FROM (N) SEC LINE HOW FROM (DW) SEC LINE FROM (E)W) SEC LINE FROM (E)(W) SEC LINE 3818 FROM (E)(W) SEC LINE PY FROM (B) (W) SEC LINE SEC. 16 T. 46 FROM (E)(W) SEC LINE 3194 FROM ENW SEC LINE SEC SFROM (N)(6) SEC LINE SEC. 16 T. 46 N.R. 33W FROM (N) SEC LINE SEC. 16 T. 46 00 FROM (N)(S) SEC LINE 16 T. 46 T. 46 N.R. 33W T. 46 N.R. 33W LOCATION N.R. 33W N.R. 33W N.R. 33W K.R.E.D K.R.E.D. K.R.E.D K.R.E.D. K.R.E.D K.R.E.D K.R.E.D K.R.E.D K.R.E.D OWNER 760 DEPTH 700 750' 750 750' 750' 681 700 643 Plugged 0 0 TYPE 0 0 0 0 0 0 04/02/2012 03/21/2012 03/14/2012 03/27/2012 03/23/2012 03/24/2012 04/06/2012 04/10/2012 03/08/2012 SPUDDED Squeezed cement from 643' to surface to plug well on 04/17/2012 04/30/2012 05/10/2012 05/25/2012 04/27/2012 04/30/2012 05/10/2012 DATE 733.5' of 4 1/2" casing cemented to surface 663' of 4 1/2" casing cemented to surface 743' of 4 1/2" casing cemented to surface 740' of 4 1/2" casing cemented to surface 697' of 4 1/2" casing cemented to surface 740' of 4 1/2" casing cemented to surface 656' of 2 7/8" casing cemented to surface 685' of 2 7/8" casing cemented to surface CONSTRUCTION

INSTRUCTIONS

- EASE	WELL					7,147		
LEASE	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Belton Unit	R-41	R-41 3 740 FROM (D)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	643'	0	06/12/2012	Not	of 4 1/2" casing cemented to surface
Belton Unit	R-42	ROM (N)(E) ROM (E)(W	K.R.E.D	980'	0	06/06/2012		687' of 4 1/2" casing cemented to surface
Belton Unit	R-43	7381 FROM (N) (E) BEC LINE R-43 771 FROM (E)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	770'	0	05/09/2012	05/30/2012	740' of 4 1/2" casing cemented to surface
Belton Unit	R-44	3.00 FROM (N)(S)SEC LINE (S)70 FROM (E)(W) SEC LINE (S) T. 46 N.R. 33W	K.R.E.D	760'	0	05/11/2012	05/31/2012	727' of 4 1/2" casing cemented to surface
Belton Unit	R-47	SEC. 16 T. 46 N.R. 33W	K.R.E.D.	760'	0	05/08/2012	06/01/2012	728' of 4 1/2" casing cemented to surface
Belton Unit	R-48	R-48 S87 FROM (E)(V) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	770'	0	07/18/2012	Not Complete	750' of 2 7/8" casing cemented to surface
Belton Unit	R-49 49 49 49 49	R-49 REC. 16 T. 46 N.R. 33W	K.R.E.D.	730'	0	06/30/2012		718' of 2 7/8" casing cemented to surface
Belton Unit	R-51	R-51 2518 FROM (E)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D.	730'	0	06/08/2012	~	700' of 4 1/2" casing cemented to surface
		FROM (N)(S) SEC LINE FROM (E)(W) SEC LINE SEC. T. N.R.						
MO 780-1136 (02-11)								

INSTRUCTIONS

						SEC. 16 T. 46 N.R. 33W		MO 780-1136 (02-11)
686' of 2 7/8" casing cemented to surface	07/09/2012	05/16/2012	-	720'	K.R.E.D.	RW-39 TOFROM (N) & SEC LINE	RW-39	Belton Unit
687' of 2 7/8" casing cemented to surface	Not Not	07/03/2012	-	730'	K.R.E.D.	RW-38 321 FROM (N)(6) BEC LINE RW-38 521 FROM (£)(7) SEC LINE SEC. 16 T. 46 N.R. 33W	RW-38	Belton Unit
695' of 2 7/8" casing cemented to surface	07/09/2012	05/14/2012	-	720'	K.R.E.D.	RW-37 3208 FROM (E)W) SEC LINE SEC. 16 T. 46 N.R. 33W	RW-37	Belton Unit
682' of 2 7/8" casing cemented to surface	07/17/2012	05/29/2012		730'	K.R.E.D.	RW-27 FROM (N) SYSEC LINE RW-27 FROM (R) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	RW-27	Belton Unit
692' of 2 7/8" casing cemented to surface	07/17/2012	05/23/2012	-	730'	K.R.E.D.	SEC. 16 T. 46 N.R. 33W	RW-26	Belton Unit
711' of 2 7/8" casing cemented to surface	07/06/2012	05/18/2012	-	750'	K.R.E.D.	RW-25 834 FROM (N)S), BEC LINE SEC. 16 T. 46 N.R. 33W	RW-25	Belton Unit
565' of 2 7/8" casing cemented to surface	Not	05/30/2012	n <u>—</u>	730'	K.R.E.D.	FROM (N/S)SEC LINE FROM (EXW) SEC LINE SEC. 16 T. 46 N.R. 33W	RW-24	Belton Unit
691' of 2 7/8" casing cemented to surface	07/06/2012	05/22/2012	-	730'	K.R.E.D.	2132 FROM (N)(S))SEC LINE RW-23 1433 FROM (E)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	RW-23	Belton Unit
696' of 2 7/8" casing cemented to surface	Complete	06/01/2012		730'	K.R.E.D.	116 FROM (N)(6) BEC LINE 108 FROM (E)W) SEC LINE SEC. 16 T. 46 N.R. 33W	RW-22	Belton Unit
CONSTRUCTION	DATE	DATE	TYPE	DEPTH	OWNER		WELL NO.	LEASE

INSTRUCTIONS

	•						٦	MO /80-1136 (02-11)
	Complete					SEC. 16 T. 46 N.R. 33W		
659' of 2 7/8" casing cemented to surface	707	06/30/2012	_	730'	K.R.E.D.	RW-50 TIVEROM BOWN SEC LINE	RW-	Belton Unit
						OM (N)		
						SEC. 16 T. 46 N.R. 33W		
675' of 2 7/8" casing cemented to surface	07/17/2012	06/13/2012	-	730'	K.R.E.D.	RW-492-13 FROM (N) SEC LINE	RW-	Belton Unit
						SEC. 16 T. 46 N.R. 33W		
681' of 2 7/8" casing cemented to surface	<u> </u>	07/13/2012	-	730'	K.R.E.D.	RW-48 TROM (N) SEC LINE		Belton Unit
						SEC. 16 T. 46 N.R. 33W		
689' of 2 7/8" casing cemented to surface		07/13/2012	_	730'	K.R.E.D.	RW-47 PT GROW (N) SEC LINE		Belton Unit
						SEC. 16 T. 46 N.R. 33W		
687' of 2 7/8" casing cemented to surface		07/13/2012	-	730'	K.R.E.D.	RW-46 3184 FROM (WW) SEC LINE		Belton Unit
						SEC. 16 T. 46 N.R. 33W		
684' of 2 7/8" casing cemented to surface		07/11/2012	_	730'	K.R.E.D.	RW-45 S173 FROM (D(W) SEC LINE	-	Belton Unit
	Lamps					SEC. 16 T. 46 N.R. 33W		
690' of 2 7/8" casing cemented to surface	10V	06/28/2012	_	730'	K.R.E.D.	RW-44 318 S FROM (E)W) SEC LINE		Belton Unit
						SEC. 16 T. 46 N.R. 33W		
672' of 2 7/8" casing cemented to surface	07/17/2012	06/14/2012	_	700'	K.R.E.D.	RW-43 FROM (N)(N) SEC LINE		Belton Unit
	Jamplet					SEC. 16 T. 46 N.R. 33W		
687' of 2 7/8" casing cemented to surface	3	07/03/2012	_	730'	K.R.E.D.	RW-40 TROM (N) SEC LINE		Belton Unit
CONSTRUCTION	COMPLETED	SPUDDED	TYPE	DEPTH	OWNER	2	z	LEASE
						WELL	WE	

INSTRUCTIONS

						0EC. 2 1. 10 N.R. 2044	-11)	MO 780-1136 (02-11)
741' of 4 1/2" casing cemented to surface	07/04/2012	04/03/2012	0	760'	K.R.E.D.	1436 FROM (N)(6)	it AD-33	Belton Unit
745' of 4 1/2" casing cemented to surface	06/28/2012	04/06/2012	0	760'	K.R.E.D.	32 FROM (N/S) SEC LINE SEC. 9 T. 46 N.R. 33W	it AD-32	Belton Unit
688' of 2 7/8" casing cemented to surface	Not	04/12/2012	0	701'	K.R.E.D.	AD-31 2342 FROM (NYO) SEC LINE SEC. 9 T. 46 N.R. 33W		Belton Unit
741' of 4 1/2" casing cemented to surface	06/13/2012	03/30/2012	0	760'	K.R.E.D.		iit AD-27	Belton Unit
745' of 4 1/2" casing cemented to surface	06/13/2012	04/05/2012	0	770'	K.R.E.D		iit AD-26	Belton Unit
740' of 4 1/2" casing cemented to surface	06/11/2012	03/29/2012	0	760'	K.R.E.D	AD-20 LS DEFROM (N) SEC LINE SEC. 9 T. 46 N.R. 33W	-	Belton Unit
739' of 4 1/2" casing cemented to surface	04/27/2012	03/28/2012	0	760'	K.R.E.D.	AD16-2 DXL FROM (D)(W) SEC LINE SEC. 9 T. 46 N.R. 33W		Belton Unit
737' of 4 1/2" casing cemented to surface	04/27/2012	03/12/2012	0	750'	K.R.E.D.	AD11-2 THE FROM (N) SEC LINE SEC. 9 T. 46 N.R. 33W		Belton Unit
741' of 4 1/2" casing cemented to surface	05/07/2012	03/30/2012	0	760'	K.R.E.D.	AD 9-2 SEC. 9 T. 46 N.R. 33W		Belton Unit
CONSTRUCTION	DATE	DATE	TYPE	DEPTH	OWNER	NO. LOCATION	zš	LEASE

		- 1	odoling, dired	abounded		casing infolliation.		
LEASE	NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Relton Init	۸ <u>٦</u> ،	AD 3-1 SHIFROM (N) SEC LINE	כ ק ק	770)		いらす	713' of 4 1/2" casing cemented to surface
Dello	200	SEC. 9 T. 46 N.R. 33W	7.7.17.	770	C	06/15/2012	Complete	
		256 FROM (N) SEC LINE					-	70.41 .5.4.4.01
Belton Unit	AD 4-2	AD 4-2 LIRS FROM (C)W) SEC LINE	K.R.E.D.	770'	0	06/22/2012		724 OF4 I/Z casing cemented to surface
		SEC. 9 T. 46 N.R. 33W						
		FROM (N) SEC LINE						7941 of A 1/9" posing compated to suffer
Belton Unit	AD 5-2	AD 5-2 FROM (5)(W) SEC LINE	K.R.E.D.	770'	0	06/20/2012	•	721 014 1/2 casing cemented to surface
		SEC. 9 T. 46 N.R. 33W		41/27			4	
	- 4 3	1435 FROM (N)()SEC LINE					,	SSS of A 1/2" posing compated to purfect
Belton Unit	AD-34	AD-34 PROM (1)(W) SEC LINE	K.R.E.D	700'	0	05/04/2012	07/09/2012	000 01 4 1/2 cashiy cemented to suridce
		SEC. 9 T. 46 N.R. 33W						
Dollon Inii	A	FROM (N) SEC LINE		7001			No1-	686' of 2 7/8" casing cemented to surface
	į	SEC 9 T 46 N B 33W			i.	01/13/2012	Compiet	
		FROM						
		FROM (E)(W) SEC LINE						
		SEC. T. N.R.						
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
		SECTN.R						
		FROM (N)(S) SEC LINE		s.				
		FROM (E)(W) SEC LINE						
		SEC. T. N.R.						
		FROM (N)(S) SEC LINE						
		FROM (E)(W) SEC LINE						
MO 780-1136 (02-11)		SECTN.R						
MO 780-1136 (02-11)								

AFFIDAVIT OF PUBLICATION

(Space above for recording information)

STATE OF MISSOURI COUNTY OF CASS

l, Janis Anslinger, being duly sworn according to law, state that I am the Classified Ad Manager of the Cass County Democrat-Missourian, a weekly newspaper of general circulation in the County of Cass, State of Missouri, where located; which newspaper has been admitted to the Post Office as periodical class matter in the City of Harrisonville, Missouri, the city of publication; which newspaper has been published regularly and consecutively for a period of three years and has a list of bonafide subscribers, voluntarily engaged as such who have paid or agreed to pay a stated price for a subscription for a definite period of time, and that such newspaper has complied with the provisions of Section 493.050, Revised Statutes of Missouri 2000, and Section 59.310, Revised Statutes of Missouri 2000. The affixed notice appeared in said newspaper in the following consecutive issues:

1º Insertion: Vol. <u>132</u>	No. 39 13	day of July	20_12
24 Insertion: Vol.	No	_day of	_20
32 Insertion: Vol.	No	day of	_20
42 Insertion: Vol.	No	_day of	_20
5ª Insertion: Vol	. Νυ	day of	_20

anis Anslinger, Classified Ad

Subscribed and sworn to before me on this 20 12

JULIE M. HICKS
Notary Public, Notary Seal
State of Missouri
Cass County
Commission # 09727108
My Commission Expires June 12, 2013

directed within fifteen (15) days of this notice to the address below

Written comments or requests for additional information regarding such wells should be

P.O. Box 250 State Geologist Missouri Oil & Gas Counci

Rolla, MO 65401

the following locations. Saltwater will be injected into the Squirrel Sandstone formation for an Enhanced Oil Recovery Project at 66210, has applied for 6 injection well permits to be drilled to an approximate depth of 650 feet. #RW-84 4,690' from S line/3,167' from E line, Section 16, Township 46N, Range 33W #RW-85 4,674' from S line/2,710' from E line, Section 16, Township 46N, Range 33W Kansas Resource Exploration & Development, LLC, 9393 W 110th St., Ste, 500, Overland Park,

KS

#RW-87 5,110' from S line/2,752' from E line, Section 16, Township 46N, Range 33W

#RW-86 5,129' from S line/3,217' from E line, Section 16, Township 46N, Range 33W

#RW-88 4,252' from S line/3,171' from E line, Section 16,

#RW-89 4,250' from S line/2,728' from E line, Section 16, Township 46N, Range 33W

Township 46N, Range 33W

OK

MISSOURI Mechanical Integrity Test

RECE

VED

2013

Test Date: 2/1/201	2/1/2013				as Council
Address: 9393 W.	110th St.	Exploratio Ste. 500 nsas 66210		lopment, LLC	
Contact: Brad Kra Phone: 913-669-	amer	nsas 00210		7 1 1 1 1	
Lease: Belton [Jnit	Well No.: _	RW-86	<u> </u>	
County: Cass					
	TEST	INFORMAT	ION		
Pressure X	Radioactive	Tracer Survey		Temperature Survey	у
	Run #1	Run #2	Run #3	Run #4	
Start Time: End Time:	4:15				
	4:45				
Length of Test:	30 min				
Initial Pressure (PSI):	510 #				
Ending Pressure (PSI):	510 #				
Pressure Change:	0 #				
Fluid Used For Test (wate	r, nitrogen, CO2	2, etc.):	ir		
Perforations: Well	Not Perfed	l Yet			
Comments:	X .433 =				
The bottom of the tested zeron signing the form below, integrity on the test date shapes of the signature of the tested zeron below.	it is certified th		icated well w	as tested for mechan	
Operator, Contact Person or Approved Agent Title					
Operator, Contac	a reison of Appr	oved Agent		Title	
FOR INTERNAL USE ONLY					
Results were: Satisfactory	✓ Not Satisfacto	ory	Computer Upo	late:	
Remarks: State Agent: Saver	With	YesNo	X		
State Agent:	— Witnessed: Y	Yes No— LE WITH PERMI			
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